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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/719,376	11/21/2003	Corneliu I. Lupu	MSFT122045	3589
26389 7590 10/15/2007 CHRISTENSEN, O'CONNOR, JOHNSON, KINDNESS, PLLC 1420 FIFTH AVENUE SUITE 2800 SEATTLE, WA 98101-2347			EXAMINER CAO, DIEM K	
			ART UNIT 2194	PAPER NUMBER
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

# Office Action Summary

Application No.

10/719,376

Applicant(s)

LUPU, CORNELIU I.

Examiner

Diem K. Cao

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 02 August 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-4,6-9 and 11-14 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4,6-9,11-14 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

WILLIAM THOMSON  
PROFESSOR PATENT EXAMINER

### DETAILED ACTION

1. Claims 1-4, 6-9, and 11-14 are pending. Applicant has amended claims 1-4, 6-9 and 11-14.

#### *Claim Rejections - 35 USC § 112*

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 2-3, 7-8 and 12-13 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 2 recites “determining if the input message occurred over a texture map image that represents a window of a redirected application if the indicator indicates that an application has been redirected”, which is conflict with claim 1. Claim 1 recites “transforming the input message to correspond to the display location of the texture map image that represent the application window”, thus, the input message cannot occurred over the texture map image. Furthermore, the specification discloses the input message occurred over the location of actual window (see page 14, lines 1-25).

Claims 7-8 and 12-13 suffer the same problem.

Correction is required.

#### *Claim Objections*

4. Claims 2-3, 4, 6-9 and 11-14 are objected to because of the following informalities:

Claims 2-3 depends on claim 1, and claim 1 already recites steps (a), (b), (c), and (d), claims 2 and 3 cannot use the same steps (a), (b), (c) and (d).

Claims 7-8 and 12-13 suffer the same problems as claims 2-3 above.

Claim 4 recites "location of a texture map image" on step (d), the/said should be used instead because "a texture map image" is already referred on line 3.

Claims 2, 6, 7, 9, 11, 12 and 14 suffer the same problem, i.e., "a texture map image", as claim 4 above.

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. **Claims 1, 4, 6, 9, 11 and 14 are rejected under 35 U.S.C. 102(b) as being anticipated by Liu (U.S. 5,898,419).**

As to claim 1, Liu teaches a method of redirecting an input message to a redirected application, the redirected application having at least one of its windows redirected (One particular application ... shared with terminal B; col. 4, lines 47-53), the redirected window represented on a display device as a texture map image (image data; col. 5, lines 15-31), comprising:

(a) determining if the input message is directed at a redirected application having at least one of its windows redirected ("redirected application") (obtains a hook on any mouse movement; col. 6, lines 8-10 and a check is performed ... the captured window; col. 6, lines 50-54),

(b) intercepting the input message if directed at the redirected application (obtains a hook on any mouse movement; col. 6, lines 8-10, intercepting call between them; col. 6, lines 29-45);

(c) if required, transforming the input message to correspond to the display location of the texture map image that represents the application window that has been redirected if the input message is directed at the redirected application (the mouse coordinates are converted ... same manner at terminal A; col. 6, lines 59-65 and the cursor representation is then scaled; col. 6, lines 14-15), and

(d) redirecting the input message to the redirected application if the input message is directed at the redirected application (and then the scaled representation is applied ... step 350; col. 6, lines 16-19).

As to claim 4, Liu teaches a method of redirecting input messages meant for a redirected application, the redirected application having at least one of its windows redirected (One particular application ... shared with terminal B; col. 4, lines 47-53), the redirected window represented on a display device as a texture map image (image data; col. 5, lines 15-31), comprising:

(a) installing at least one hook to intercept input messages (The mouse hook is set up ... hook; col. 6, lines 20-25),

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(b) receiving input messages intercepted by the hook (obtains a hook on any mouse movement; col. 6, lines 8-10),

(c) determining if input messages are directed at the least one window of the redirected application (a check is performed ... the captured window; col. 6, lines 50-54),

(d) if required, transforming the input messages to correspond to the display location of the texture map image that represents the at least one window of the redirected application (the mouse coordinates are converted ... same manner at terminal A; col. 6, lines 59-65 and the cursor representation is then scaled; col. 6, lines 14-15), and

(e) sending the input message to the redirected application (and then the scaled representation is applied ... step 350; col. 6, lines 16-19).

As to claim 6, it is the same as the method claim of claim 1 except it is a computer product claim, and is rejected under the same ground of rejection.

As to claim 9, it is the same as the method claim of claim 4 except it is a computer product claim, and is rejected under the same ground of rejection.

As to claim 11, it is the same as the method claim of claim 1 except it is a computer system claim, and is rejected under the same ground of rejection.

As to claim 14, it is the same as the method claim of claim 4 except it is a computer system claim, and is rejected under the same ground of rejection.

***Claim Rejections - 35 USC § 103***

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. **Claims 2-3, 7-8 and 12-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Liu (U.S. 5,898,419).**

As to claim 2, Liu teaches wherein determining if the input message is directed at a redirected application having at least one of its windows redirected comprises:

(e) checking if a window of an application has been redirected (determine whether or not the new mouse position is located within the captured window; col. 6, lines 50-54), and

(f) determining if the input message occurred over a window of a redirected application if the indicator indicates that an application has been redirected (determine whether or not the new mouse position is located within the captured window; col. 6, lines 50-54 and if the cursor moves out of the region of interest no further position updates are sent; col. 8, lines 14-17).

Although Liu does not teach checking an indicator, it would have been obvious to one of ordinary skill in the art to implement an indicator in the invention to know if the application has been redirected, thus, the performance of the system would be improved by checking only the indicator.

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As to claim 3, Liu teaches wherein transforming the input message comprises:

(g) obtaining the display location of the input message (the mouse coordinates ... whole screen; col. 6, lines 59-62),

(h) obtaining the display location of the texture map image that represents the application window that has been redirected (a test is made to determine the display classification ... window; col. 9, lines 36-46),

(i) creating a transform to change the display location of the input message to the display location of the texture map image that represents the application window that has been redirected if required (the values then need to be scaled in accordance with the window size; col. 10, lines 34-45), and

(j) applying the transform to the input message (the updated cursor image can itself be applied; col. 10, lines 20-22).

As to claims 7-8, see rejections of claims 2-3 above.

As to claims 12-13, see rejections of claims 2-3 above.

### ***Response to Arguments***

9. Applicant's arguments with respect to claims 1-4, 6-9 and 11-14 have been considered but are moot in view of the new ground(s) of rejection.

*Conclusion*

10. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Diem K. Cao whose telephone number is (571) 272-3760. The examiner can normally be reached on Monday - Friday, 8:30AM - 4:30PM.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Thomson can be reached on (571) 272-3718. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DC

October 9, 2007

  
WILLIAM THOMSON  
SUPERVISORY PATENT EXAMINER